

MTO FRONT BUMPER

16-23 TOYOTA TACOMA (3RD GEN)

FBTT1-07



TOOLS REQUIRED

- Trim Clip Tool
- 10, 14, 18, 19, 21 & 22mm Sockets
- 10mm Wrench
- #4 Allen Bit
- Cutting Tool of Choice
- File
- Safety Glasses

SKILL LEVEL

- Novice/Intermediate
 - 1 (you) to 2 persons
- Little skill level required, you can install it by yourself however, additional help is recommended.

TIME REQUIRED

- 4 Hours
- Time to install this should only take about four hours.

WARNINGS/CAUTIONS BEFORE STARTING INSTALLATION

Before you install this kit — Read and understand all instructions, warnings, cautions, and notes contained in this installation instruction guide. Consult your vehicle owner's manual for proper disconnection of electrical and lifting of vehicle if required for installation of this product.

This install may require some technical skills and knowledge of basic mechanical work. If you do not feel that you are capable of performing this install please take this product to a trained professional.

After reading this guide please contact us with any questions or concerns before installing product.
Customer Service: 855-680-9595

DV8 Offroad is not responsible for any bodily injury or harm to you or your vehicle as a result of an improper install.

Proper installation of this kit required knowledge of the factory recommended procedures for removal and installation of original equipment components. We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle

- Always wear eye protection when operating power tools

Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information

1. Name of purchase location
2. Bar Code on side of box
3. Date above bar code
4. Date inside box cover

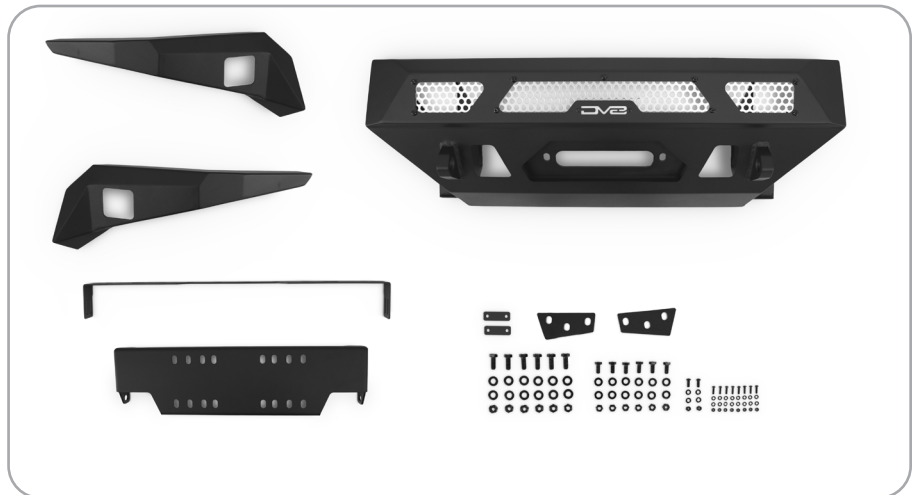


INSTALLATION MANUAL

Begin by unpacking all items and inspecting for missing pieces or damage. If you have any concerns, please contact the company the product was purchased from. Extra hardware may be included with the product.

HARDWARE INCLUDED

- | | |
|-----------------------|----------------------|
| (6) M14x35mm Bolts | (2) M8x20mm Bolts |
| (6) M14 Lock Nuts | (2) M8 Lock Nuts |
| (12) M14 Flat Washers | (4) M8 Flat Washers |
| (6) M12x25 Bolts | (8) M6x20 Bolts |
| (6) M12 Lock Nuts | (8) M6 Lock Nuts |
| (12) M12 Flat Washers | (16) M6 Flat Washers |

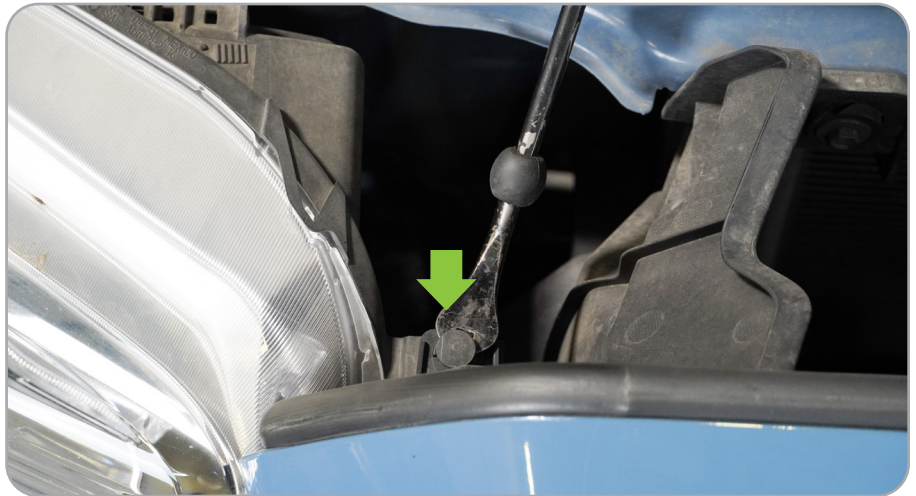


STEP 1 | With the hood open, using a 10mm socket, remove the two bolts securing grille to the vehicle.

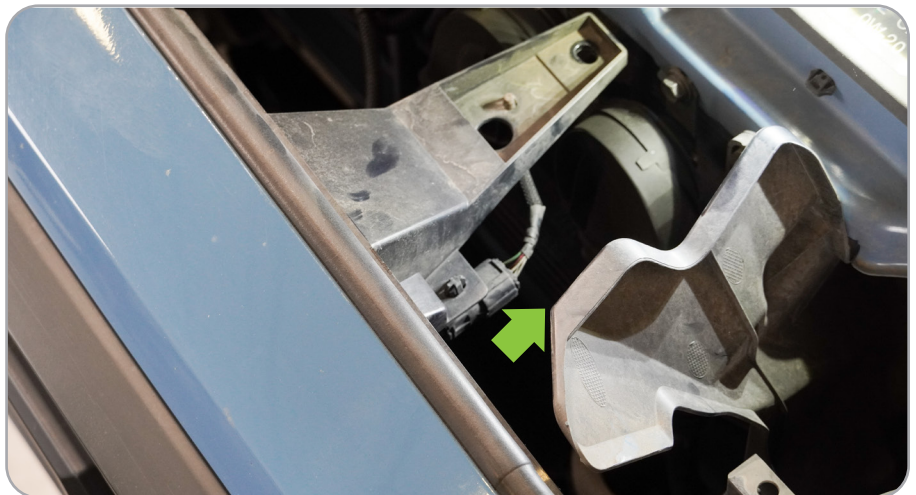


INSTALLATION **MANUAL**

STEP 2 | Use the push pin removal tool to remove the two plastic push pins located on both sides of the grille.



STEP 3 | Use the push pin removal tool to unplug the air sensor harness on the backside of the grille.



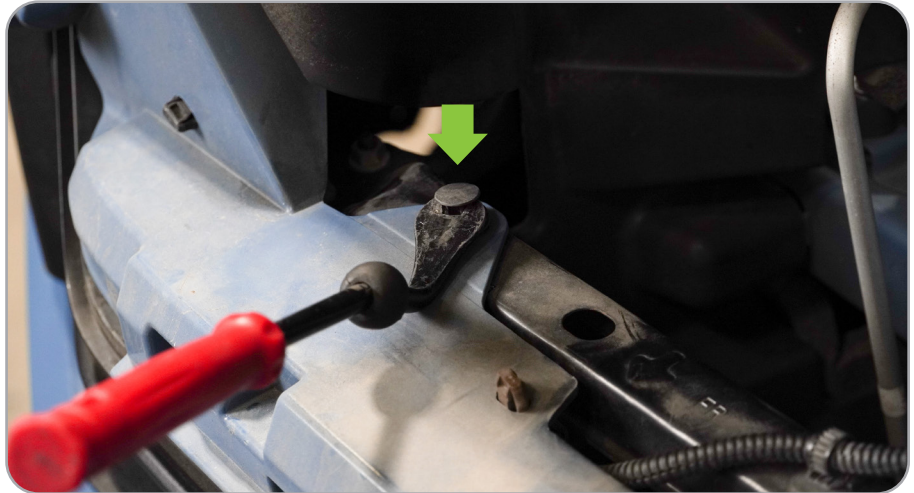
INSTALLATION MANUAL

STEP 4 | Remove the grille, by pulling straight out towards the front of the vehicle.

NOTE: Avoid pulling at an angle to prevent damage to grille clips.



STEP 5 | Using push pin removal tool, remove the four push pins securing the bumper to the vehicle.



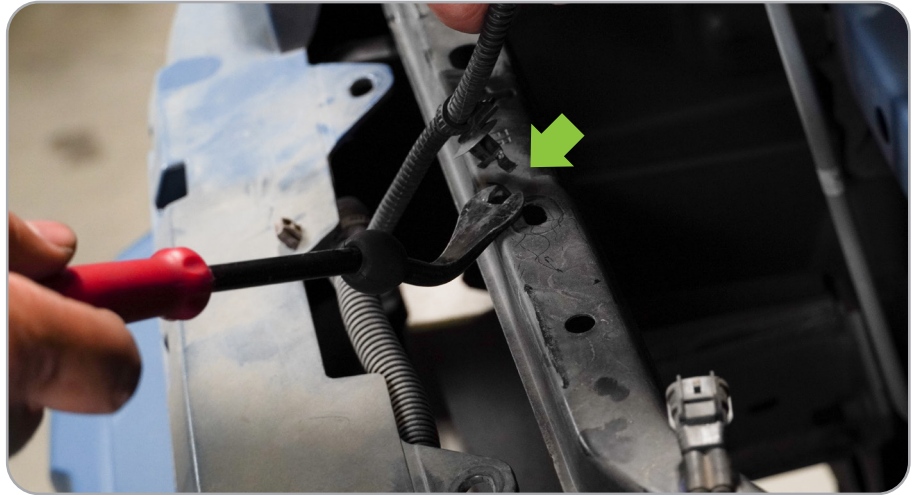
INSTALLATION MANUAL

STEP 6 | Unclip the fog light harness located on top of the bumper in front of radiator.



INSTALLATION MANUAL

STEP 7 | Using the push pin removal tool, remove the push pin holding the fog light harness from the bumper support crossmember.



STEP 8 | In each fender, remove the first two bolts closest to the front of the vehicle using an 10mm. There are two clips securing the front section of the fender to the bumper. To remove these clips, reach inside the wheel well and squeeze the pushdown tabs and push clips out.

NOTE: Fender should only be partially removed.



INSTALLATION MANUAL

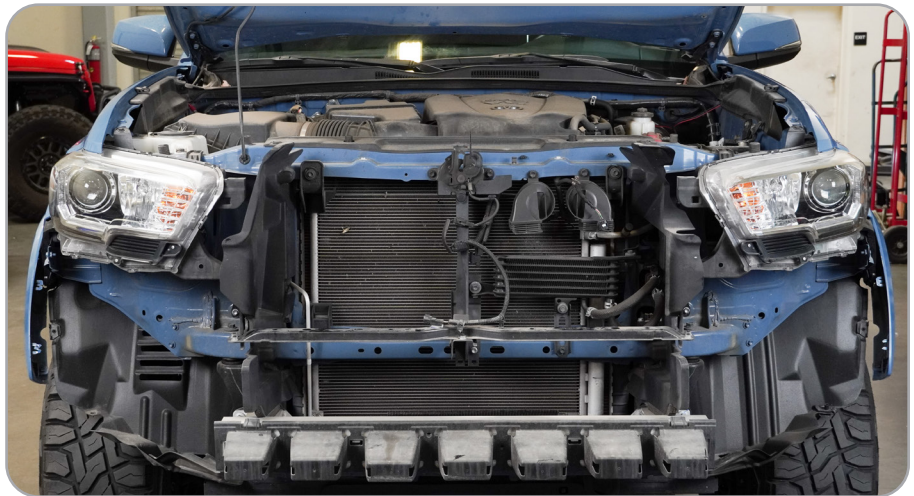
STEP 9 | Using a 10mm remove the nine factory bolts on the bottom of the bumper.



INSTALLATION MANUAL

STEP 10 | Remove bumper pulling it forward from the vehicle.

NOTE: Pull under each headlight straight out to release hidden clips holding the bumper to the vehicle

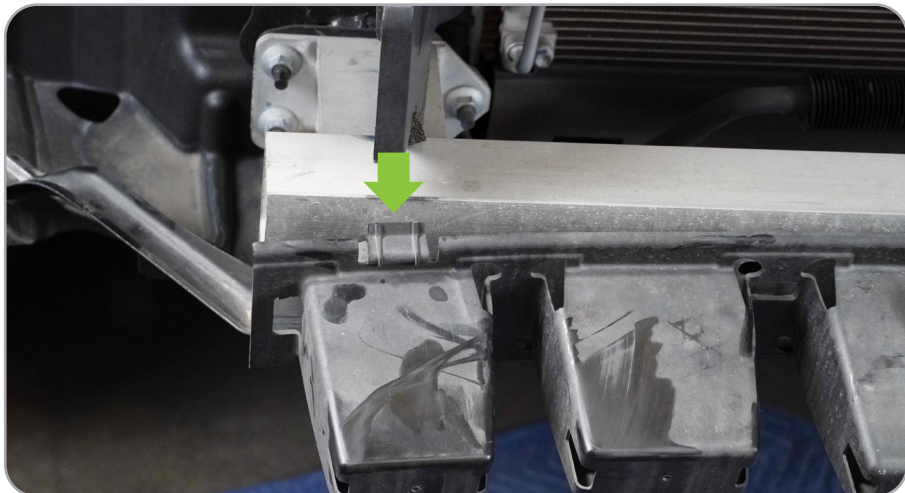


STEP 11 | Disconnect the wheel well orange clips crash bar support



INSTALLATION MANUAL

STEP 12 | Remove the black plastic insert from the aluminum crash bar by squeezing the backside of the clips and pulling away from the vehicle.



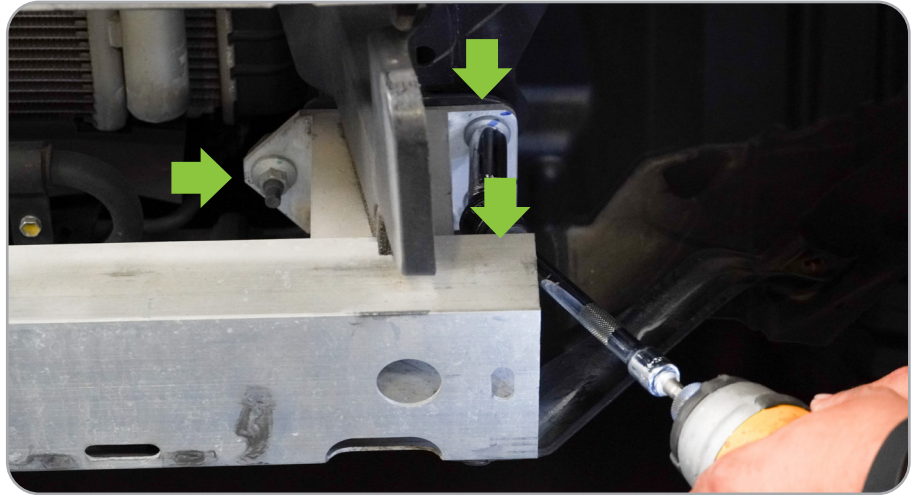
INSTALLATION MANUAL

STEP 13 | Using a 14mm deep well socket, loosen three of the nuts to release tension on the crash bar mount.

NOTE: Only one side must be loosened to relieve tension on the assembly. If you do not do this, you will damage the threads on the frame mounting location.

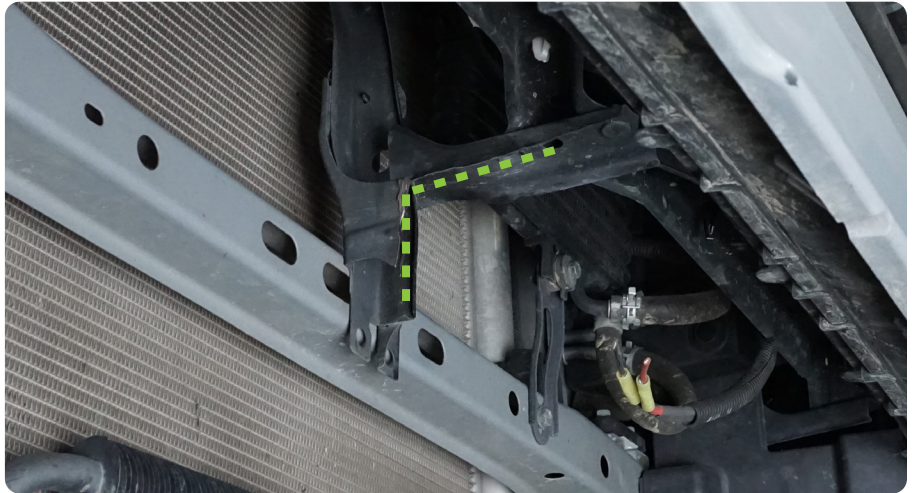
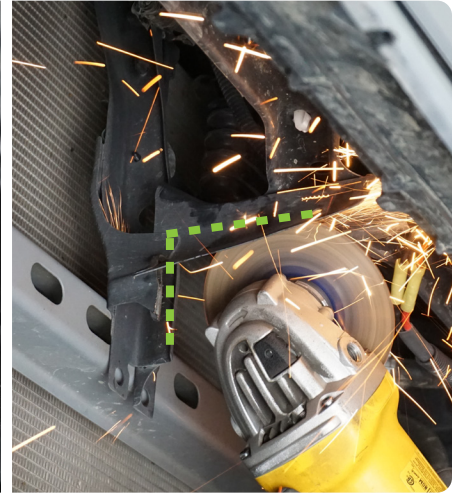
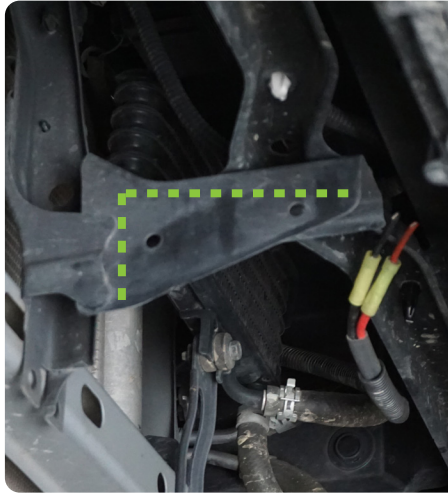


STEP 14 | Using the 14mm socket or wrench, remove the three nuts located on both sides of the crash bar. Remove crash bar and set off to the side since this will not be reused.



STEP 15 | Using your preferred cutting tool, cut the grille support bracket as shown.





STEP 16 | Unbolt the power steering cooler from the frame. Use the provided relocation brackets with the provided M8 hardware to move the cooler closer to the A/C Condenser.

Use a 13mm wrench.

TECH TIP: If the cooler will not move back, follow the cooler line on the passenger side frame rail and unbolt the line to allow movement.

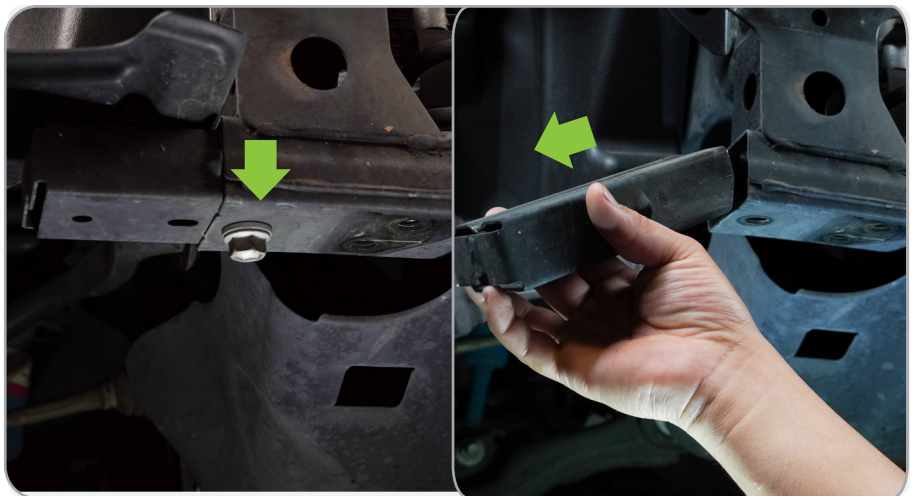


INSTALLATION MANUAL

STEP 17 | Using a 17mm socket, remove the two bolts securing the “L” brackets located on both ends of the underside of the front frame crossmember



STEP 18 | Using the 17mm socket, remove the remaining bolt on the underside of the front frame crossmember to remove the frame extension. Repeat on opposite side.



INSTALLATION MANUAL

STEP 19 | On the DV8 bumper, begin by attaching the provided foam on to the bumper wing mounting points on each side of the bumpers center section.



INSTALLATION MANUAL

STEP 20 | Install the bumper wing on to the bumper center section using the provided M12 hardware, an 18mm socket/wrench and a 19mm wrench



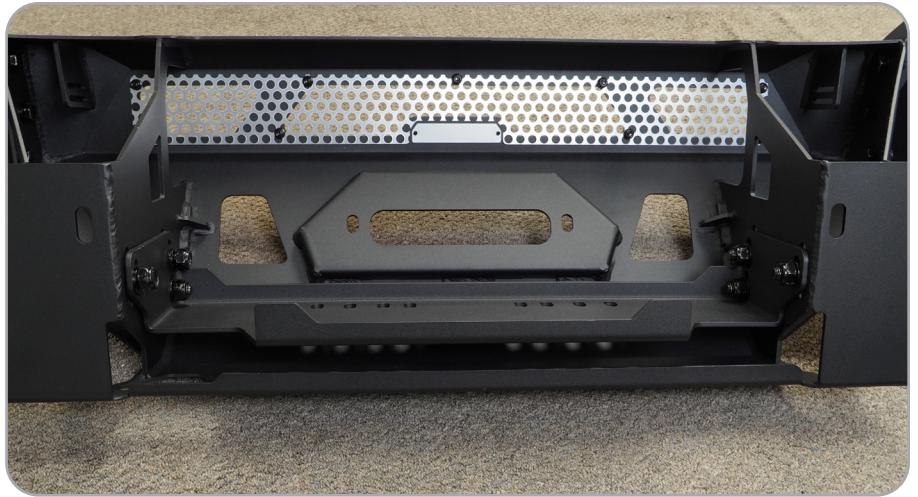
STEP 21 | If running a winch, install the winch onto the winch plate prior to installing the winch plate onto the bumper. Use the hardware provided with the winch to mount the winch.

Install the winch plate using the provided M14 hardware, a 21mm socket and 22mm wrench. Use (2) washer per bolt, one on the bolt head and one for the locking nut.

For this install we are not running a winch. (picture for example only)



INSTALLATION MANUAL



STEP 22 | If you plan on running a light bar, install the light bar bracket at this time.

Install the light bar bracket through the bumper supports as shown.



STEP 23 | Place the light bar bracket so that the mounting tabs are inside the bumper mounting tabs.

Use the provided M6 hardware, a #4 allen tool and 10mm wrench to secure the light bar bracket in place.



INSTALLATION MANUAL

STEP 24 | The “U” shaped light bar bracket will accept up to a 30” light bar.

Install your light bar onto the DV8 bracket using the hardware and brackets provided with the light bar.

Note: For this install we ran an DV8 20” Elite Series LED Dual Row light bar.



STEP 25 | If running 3” Pod lights on the wings, install them using the hardware provided with the lights.

Note: For this install we are running (2) DV8 3” Elite pod lights.



INSTALLATION MANUAL

STEP 26 | Reinstall the grille in the same manner it was removed. Using the guide pins as a reference, use a 10mm socket and two of the factory bolts and push pins from step 1, to secure the grille.

Reconnect the electrical wiring harness previously disconnected in step 4.

Note: For measurements to cut bumper, jump to step 29.



STEP 27 | Place your bumper onto the vehicle's crash bar studs. Using the factory nuts removed on step 14 and a 14mm socket or wrench, loosely secure the bumper.

Note: A extra pair of hands is highly recommended.



STEP 28 | Center the bumper on the vehicle, ensuring the ends of the wings are at equal distances and heights from the headlights are equal. Use a 14mm socket to secure the bumper in place.

Reconnect electrical wiring harness previously disconnected in step 7.





STEP 29 | Measure the space between the headlights and bumper prior to cutting. See template for approximate measurements.

When cutting your bumper, leave the brace that attaches both side panels together on the underside of the grille.

Note: For our install, we left 1" of extra material and trimmed as necessary as we fit the side panel into place to get the best cut possible.



INSTALLATION MANUAL

STEP 30 | Once the panels are trimmed, install the panels onto the vehicle, secure the panels using factory clips.



STEP 31 | Using scissors or a razor blade, trim the inner fender, keeping the most mounting points possible while clearing the bumper.



INSTALLATION MANUAL

STEP 32 | Double check all hardware is secure.

If running optional pod lights/ light bars, wire lights as desired.

Congratulations, installation of the DV8 MTO front bumper is now complete.

